

## NEW YORK STATE BRIDGE AND TUNNEL COMMISSION

AND

**NEW JERSEY INTERSTATE BRIDGE AND TUNNEL COMMISSION** 





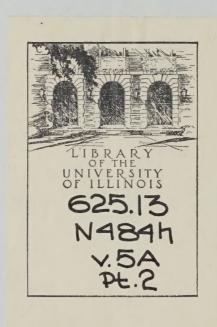
# HUDSON RIVER VEHICULAR TUNNEL CONTRACT No. 5-A

OPEN APPROACHES BETWEEN DOMINICK STREET AND BROOME STREET AND ON CANAL STREET BETWEEN HUDSON STREET AND VARICK STREET

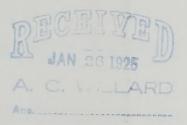
NEW YORK

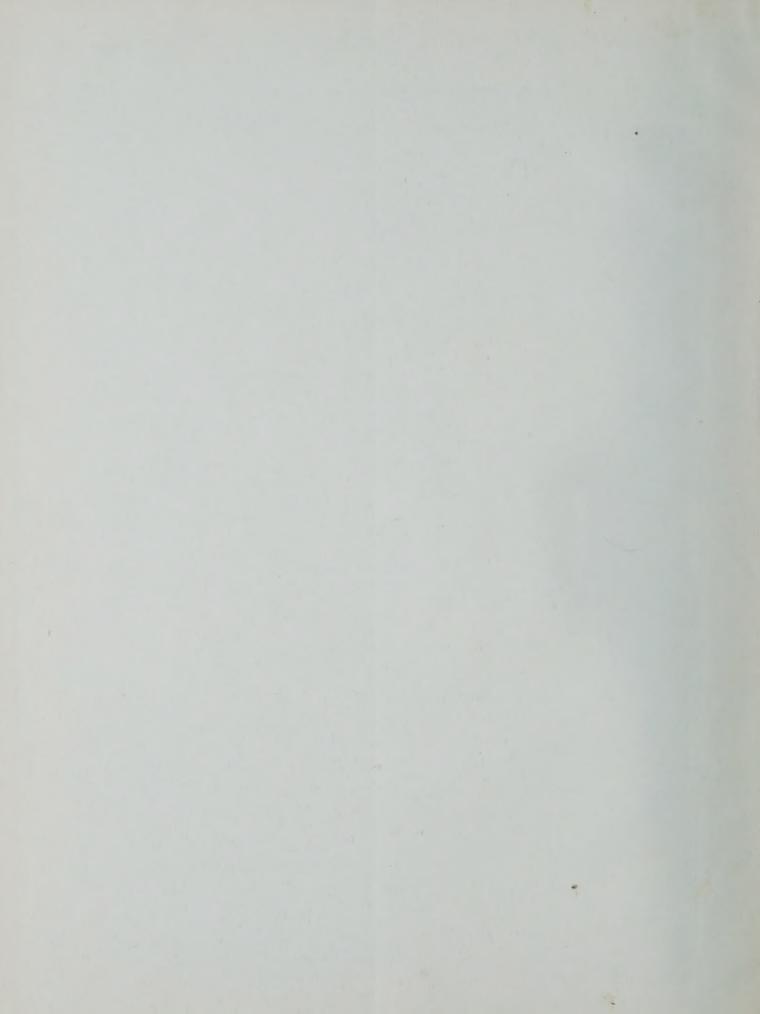
CONTRACT DRAWINGS 1 to 17

1924



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## NEW YORK STATE BRIDGE AND TUNNEL COMMISSION

AND

# NEW JERSEY INTERSTATE BRIDGE AND TUNNEL COMMISSION





# HUDSON RIVER VEHICULAR TUNNEL

# CONTRACT No. 5-A

OPEN APPROACHES BETWEEN DOMINICK STREET AND BROOME STREET AND ON CANAL STREET BETWEEN HUDSON STREET AND VARICK STREET

NEW YORK

CONTRACT DRAWINGS 1 to 17

1924

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## NEW YORK STATE BRIDGE AND TUNNEL COMMISSION

AND

## NEW JERSEY INTERSTATE BRIDGE AND TUNNEL COMMISSION

NEW YORK STATE BRIDGE AND TUNNEL COMMISSION

George R. Dyer, Chairman

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ROBERT CAREY, Counsel

JOHN C. McEnroe, Secretary

CLIFFORD M. HOLLAND
Chief Engineer

25 mu 49 g. a.e. willow

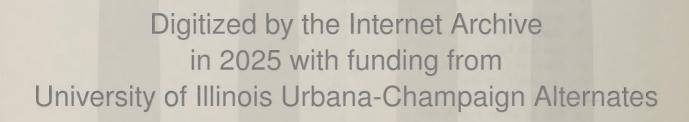


M. B. Brown Printing & Binding Co., 37-41 Chambers Street, N. Y.

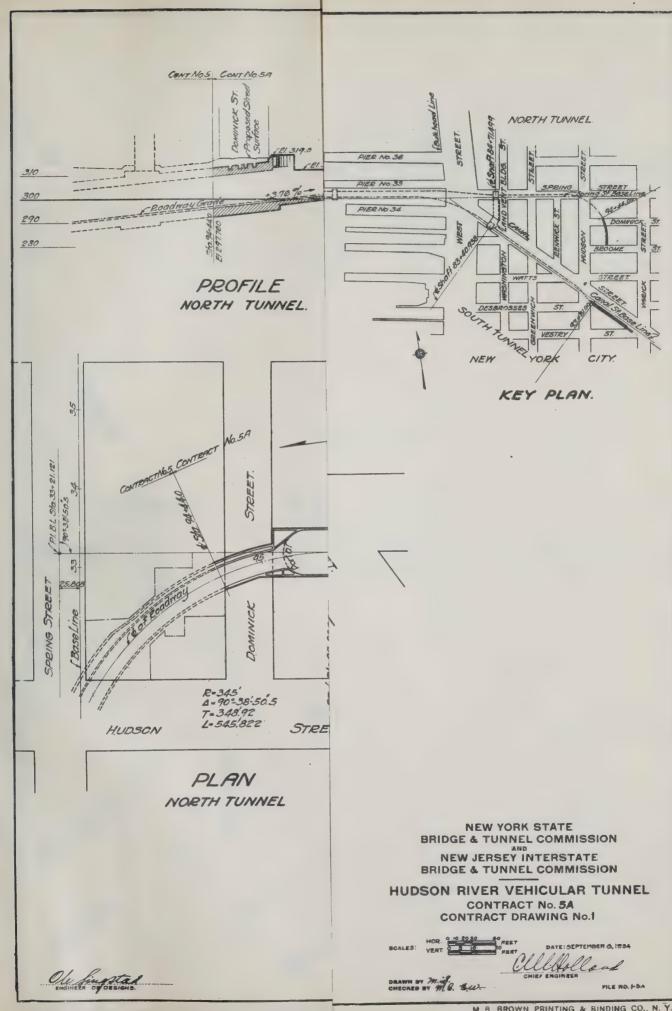
#### LIST OF CONTRACT DRAWINGS

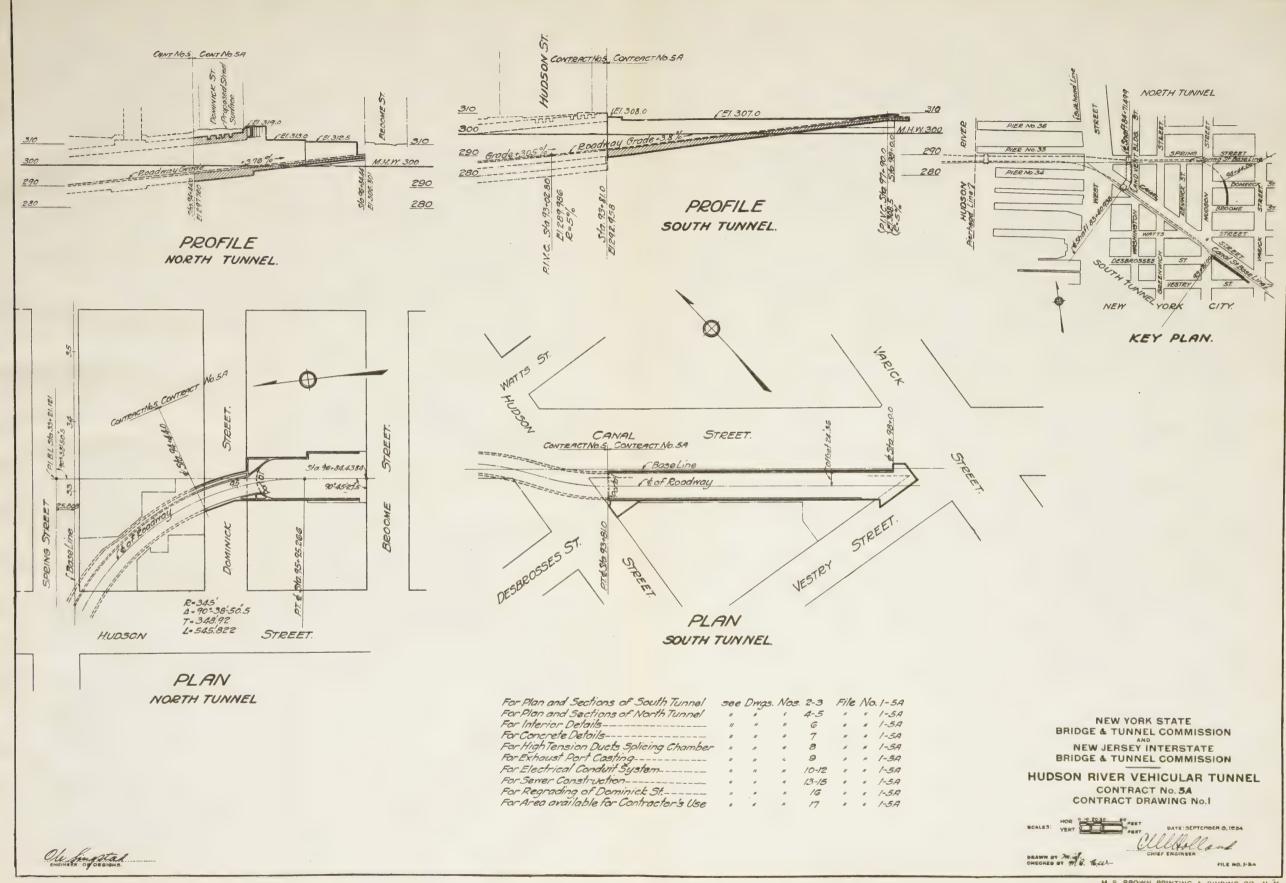
#### Contract No. 5-A

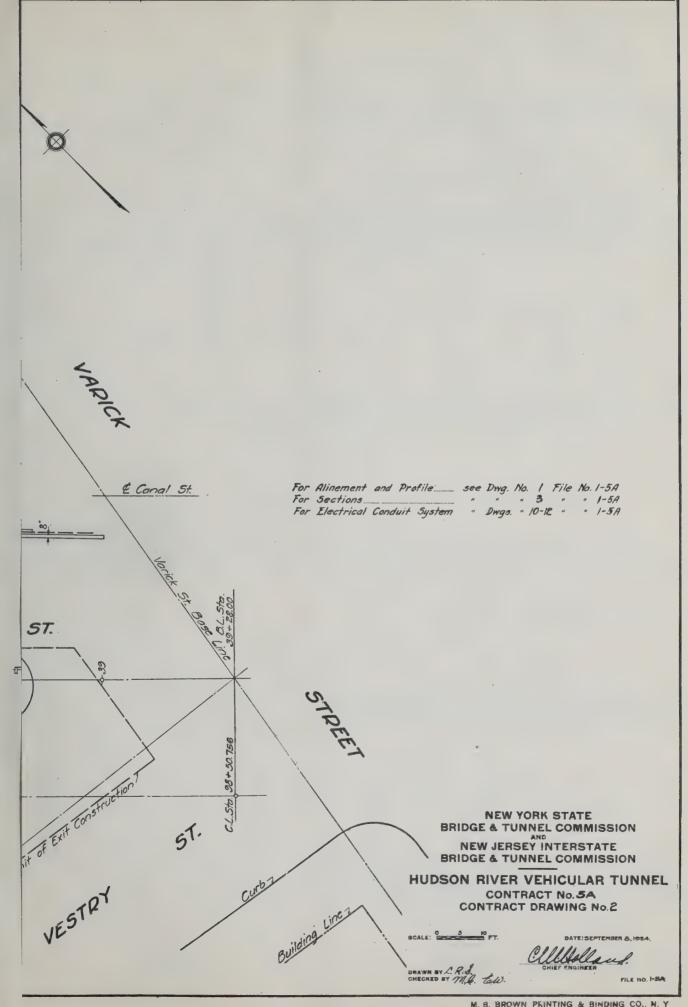
- 1. North and South Tunnels, New York-Plan and Profile.
- 2. South Tunnel, New York-Plan and Longitudinal Section.
- 3. South Tunnel, New York-Typical Cross-sections and Details.
- 4. North Tunnel, New York-Roof Plan, Invert Plan and Longitudinal Section.
- 5. North Tunnel, New York-Sections AA and BB.
- 6. North Tunnel, New York-Interior Details.
- 7. North Tunnel, New York-Concrete Details.
- 8. High Tension Duct Splicing Chamber.
- 9. Cast-iron Exhaust Port.
- 10. Electrical Conduit System.
- 11. Cast-iron Light Box.
- 12. Cast-iron Pull Boxes.
- 13. Plan of Sewer Construction.
- 14. Cast-iron Sewer Details.
- 15. Typical Sewer Details.
- 16. Regrading of Dominick Street.
- 17. Area Available for Contractor's Use.

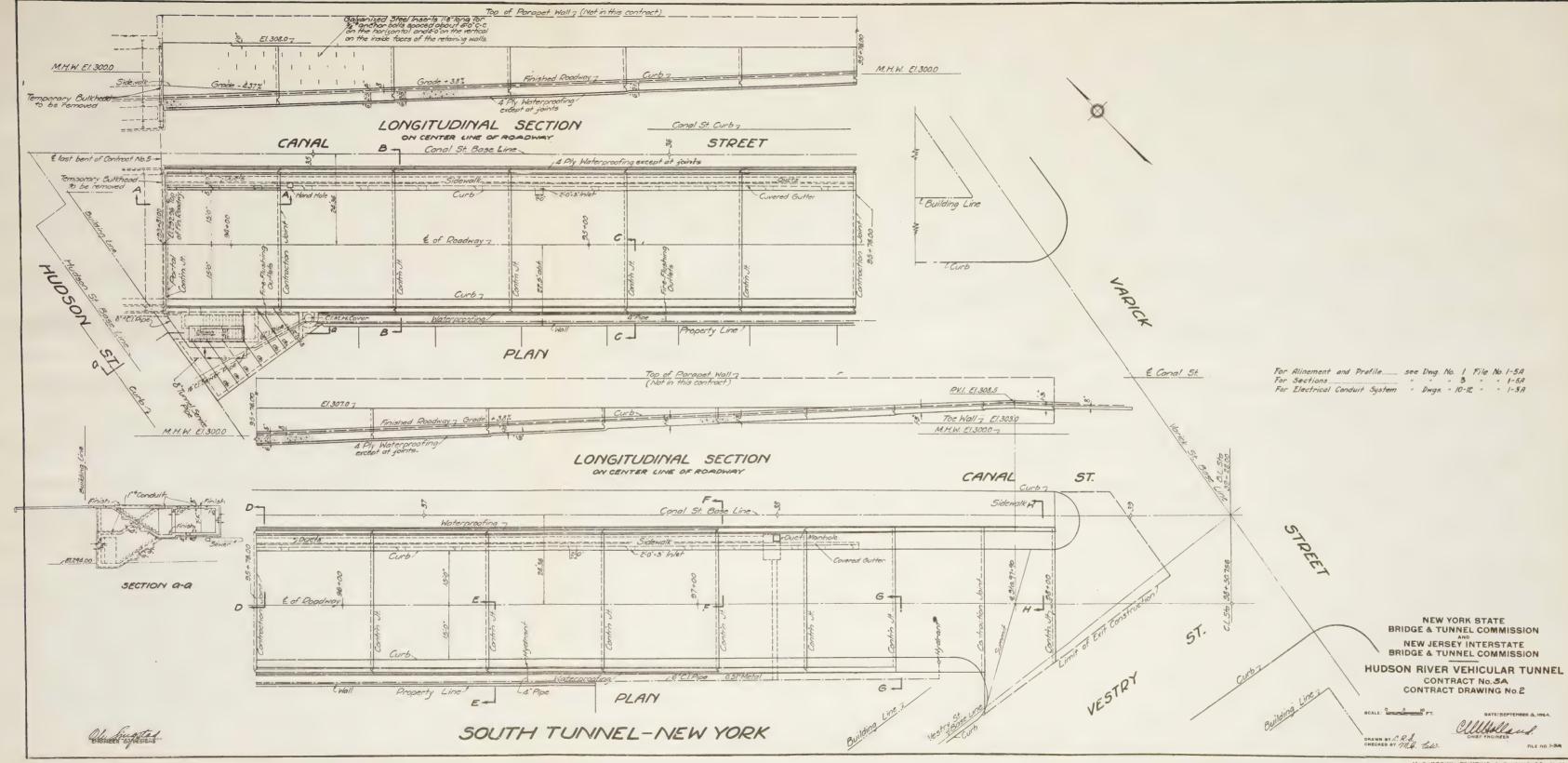


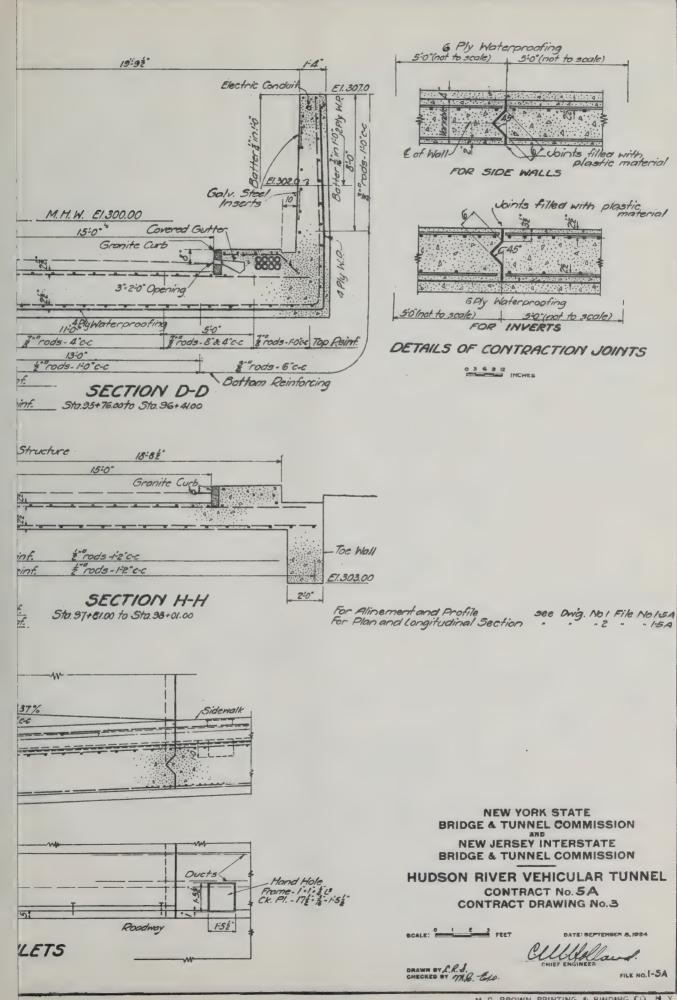
https://archive.org/details/hudsonrivervehic52unse

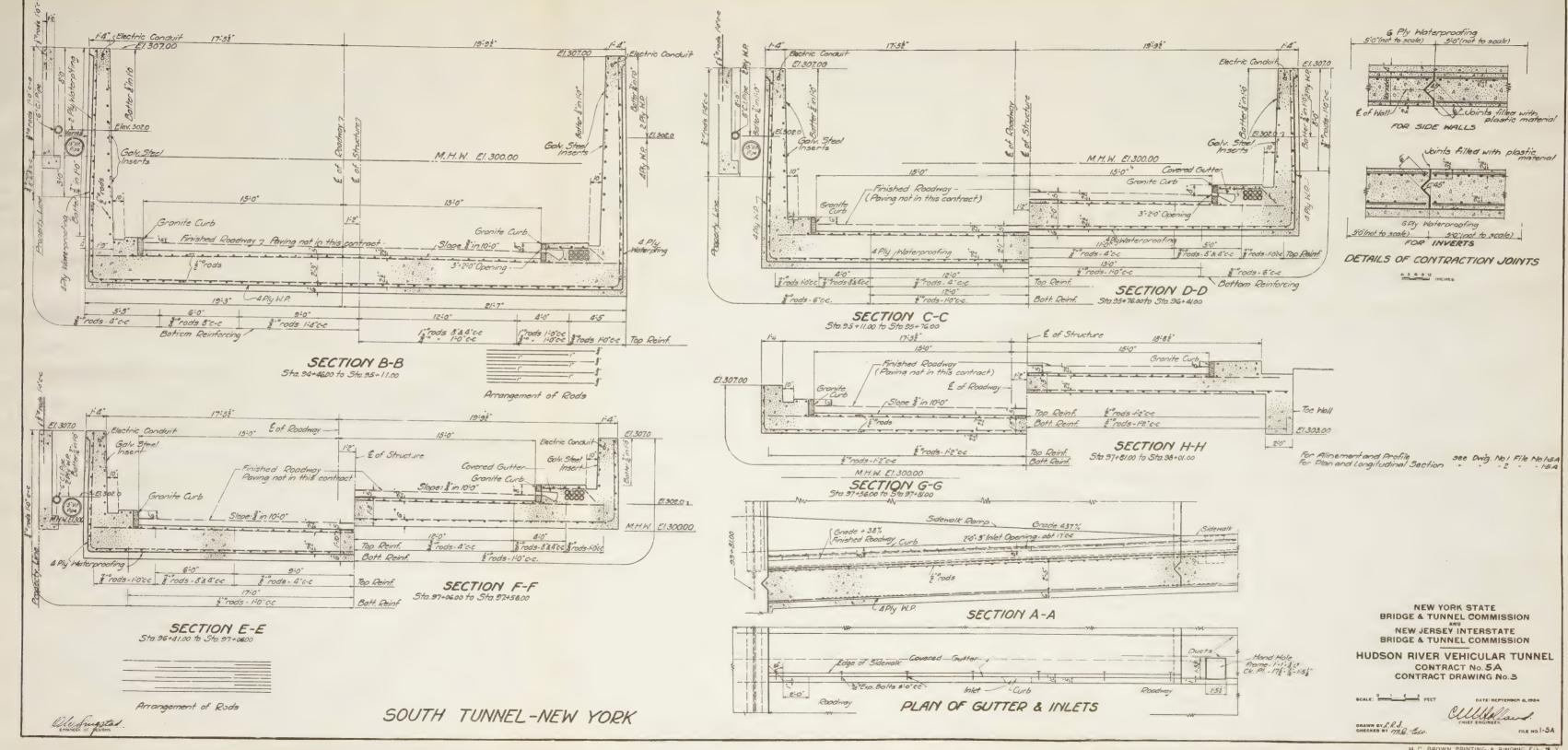




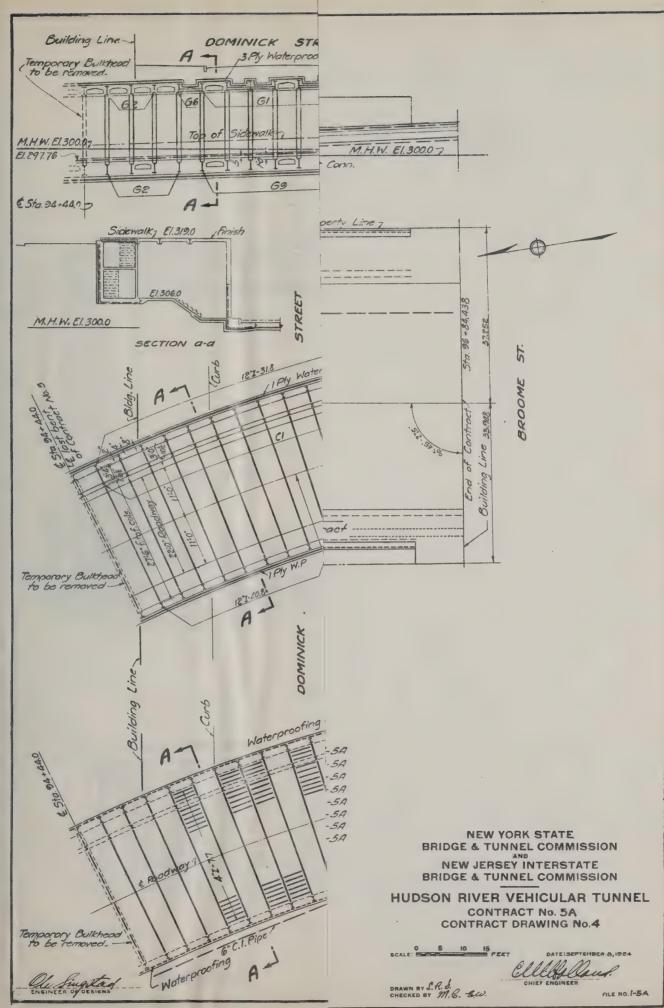


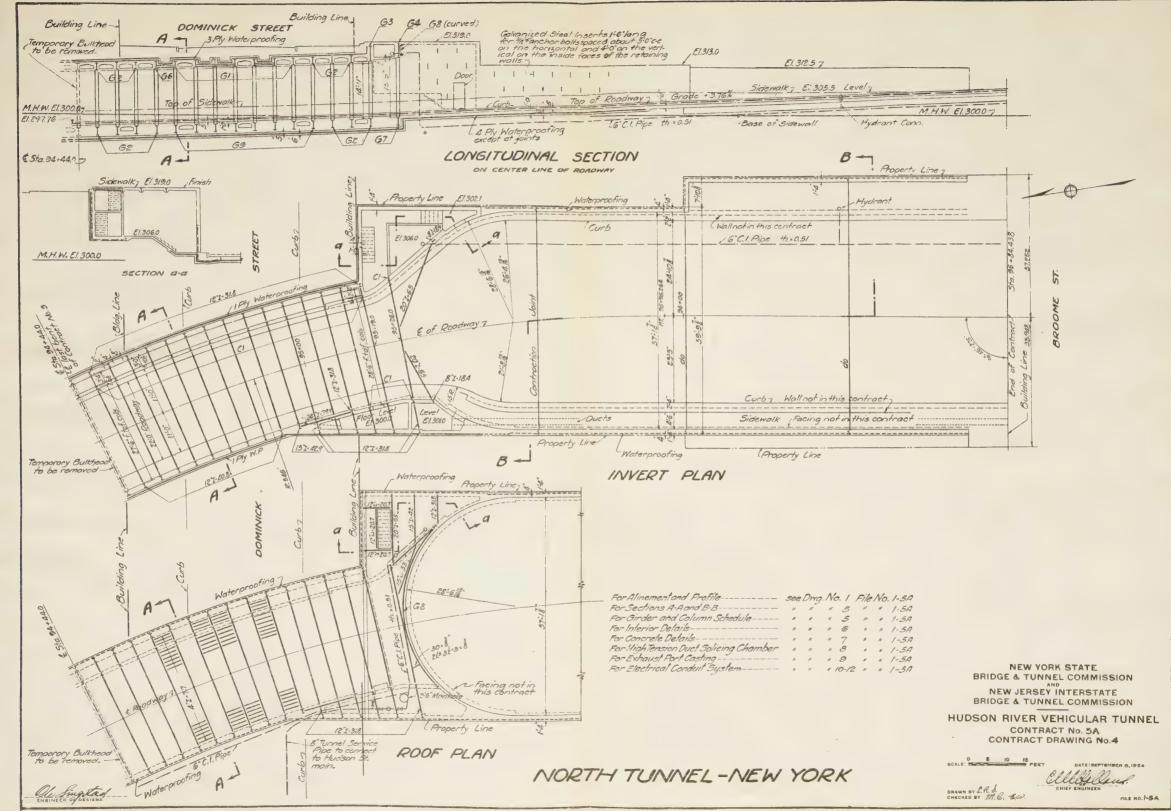


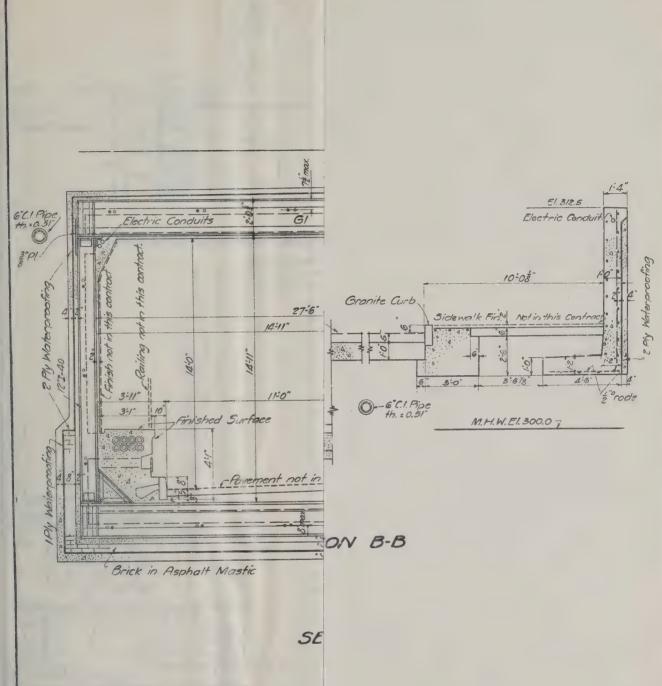




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#### GIRDER SCHEDULE

MARK	WEB	46	COVER PLATES
GI	24.x'2	8 × 6 × 78	
GZ	24×38	6 = 6 = 8	
63	42×38	6×6×96	
64	42×38	8×6× 34	
65	24×76	6×6×76	
66	24×38	6×6× 16	
67	24 × 98	8×6×4	
68	30×38	265×32×3	1-12 × 3 Curved
69	24×38	6×6×1/8	
GIO	24×38	32×3×38	

Oll fingstand

NEW YORK STATE
BRIDGE & TUNNEL COMMISSION
NEW JERSEY INTERSTATE
BRIDGE & TUNNEL COMMISSION

HUDSON RIVER VEHICULAR TUNNEL

CONTRACT No. 5A

CONTRACT DRAWING No. 5

SCALE: DE SPEET

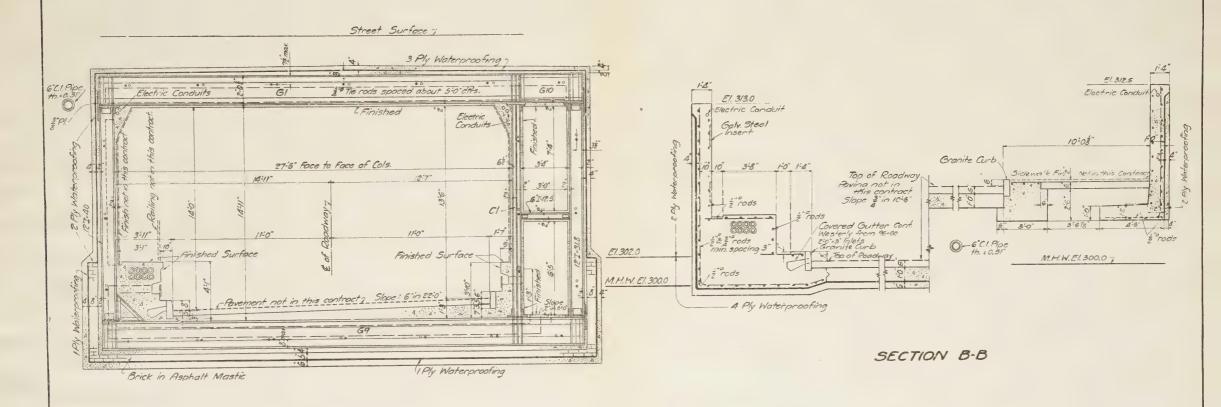
DRAWN BY L. R. A. CHECKED BY M.B. - E.W.

DATE: SEPTEMBER 8,1924

LUSTALISM

FILE NO. 1-5A

M. B. BROWN PRINTING & BINDING CO., N. Y



#### SECTION A-A

#### GIRDER SCHEDULE

MARK	WEB	465	COVER PLATES
31	24×2	8×6×78	
52	24 4 3	6.6.8	
53	42.38	6=6=96	
64	42 . 38	8 × 6 × 3	
65	24 - 76	6×6×78	
63	24 - 38	6×6× 16	
67	24×9B	8 * 6 * 4	
68	3008	265.32,8	1-12 * 8 Curved
139	22-38	6.6. "8	
GIO	24.32	32×3×8	

#### COLUMN SCHEDULE

ſ	MARK	WEB	413
Ì	CI	6.38	4.3.8

For Alinement and Profile see Dwg. No. 1 File No. 1-5A
For Plan and Longitudinal Section " " 4 " 1-5A
For Interior Details " " 0 " 1-5A
For Concrete Details " " 7 " 1-5A

NEW YORK STATE
BRIDGE & TUNNEL COMMISSION
NEW JERSEY INTERSTATE
BRIDGE & TUNNEL COMMISSION

HUDSON RIVER VEHICULAR TUNNEL
CONTRACT No. 5A
CONTRACT DRAWING No. 5

NORTH TUNNEL - NEW YORK

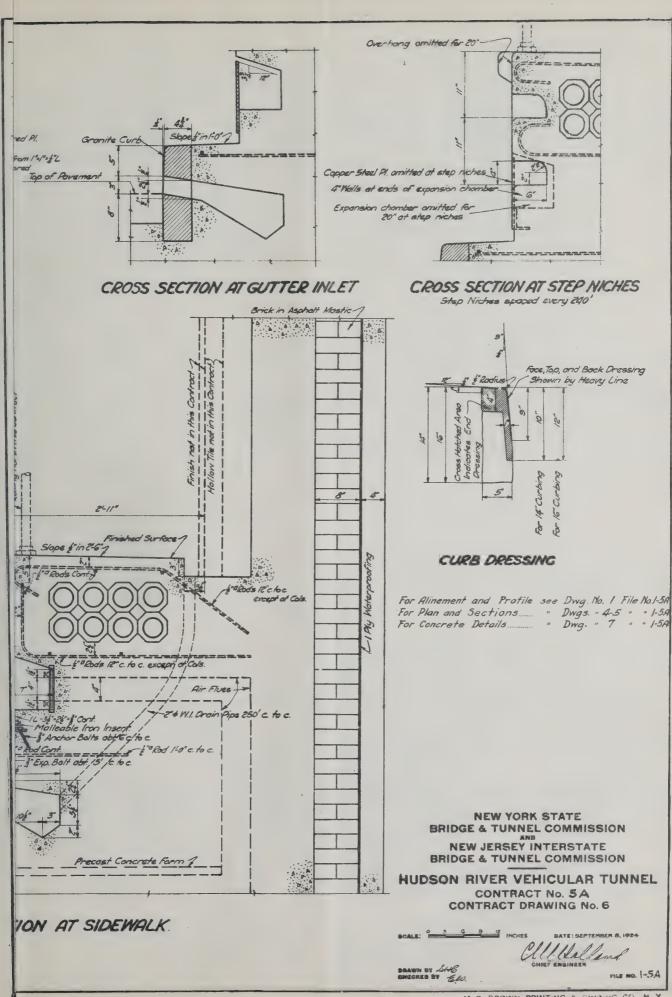
SCALE PE

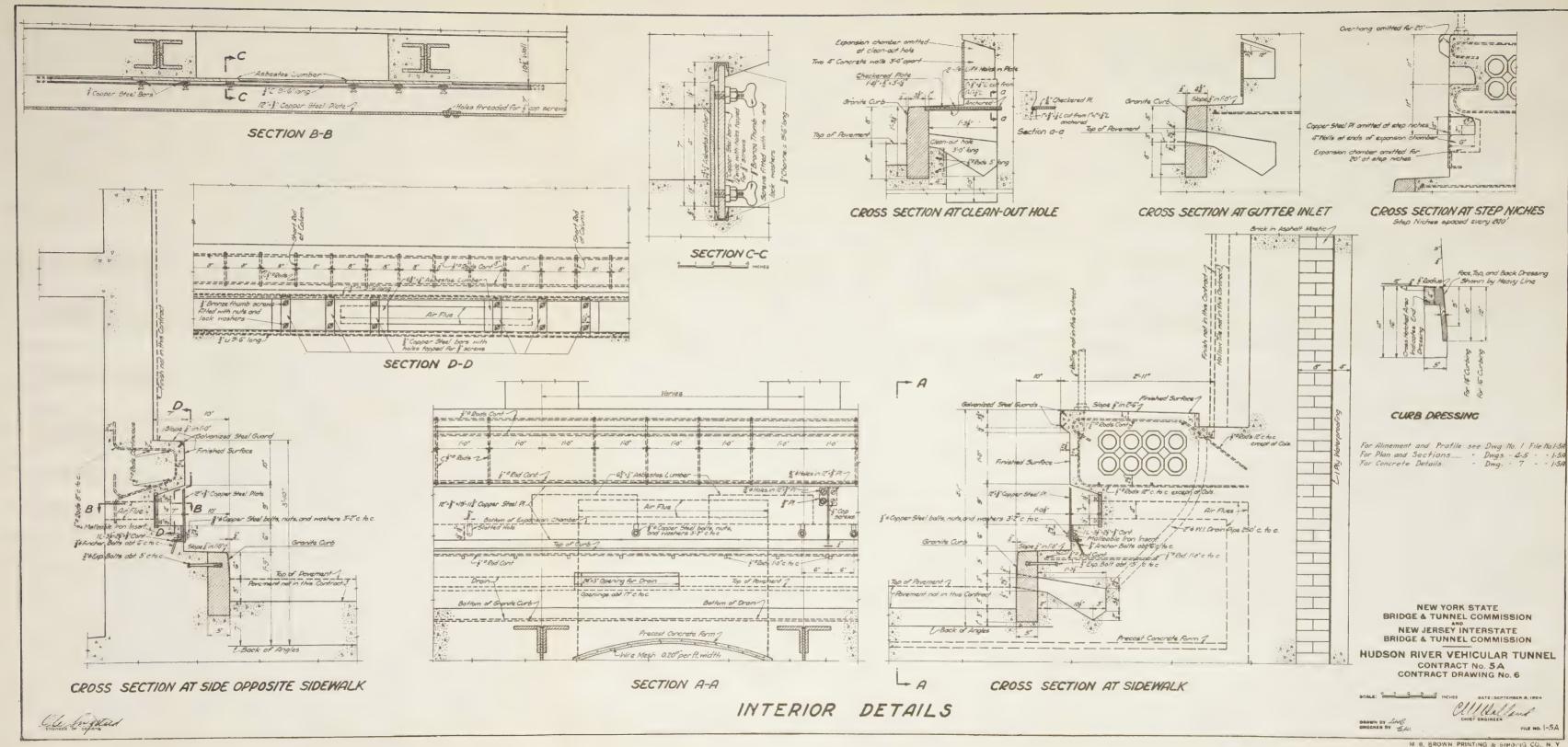
CHIEF ENGINEER

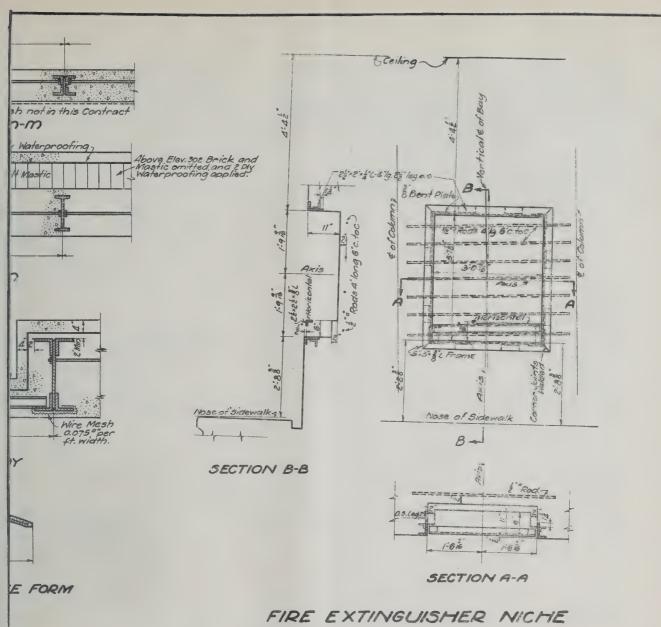
PILE NO. 1-5

Ole fire stand

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THE EXTITION OF THE PROPERTY.

and Profile see Dwg. No. 1 File No. 1-5A ections " 4-5 - 1-5A

NEW YORK STATE
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NEW JERSEY INTERSTATE
BRIDGE & TUNNEL COMMISSION

HUDSON RIVER VEHICULAR TUNNEL CONTRACT No. 5 A CONTRACT DRAWING No.7

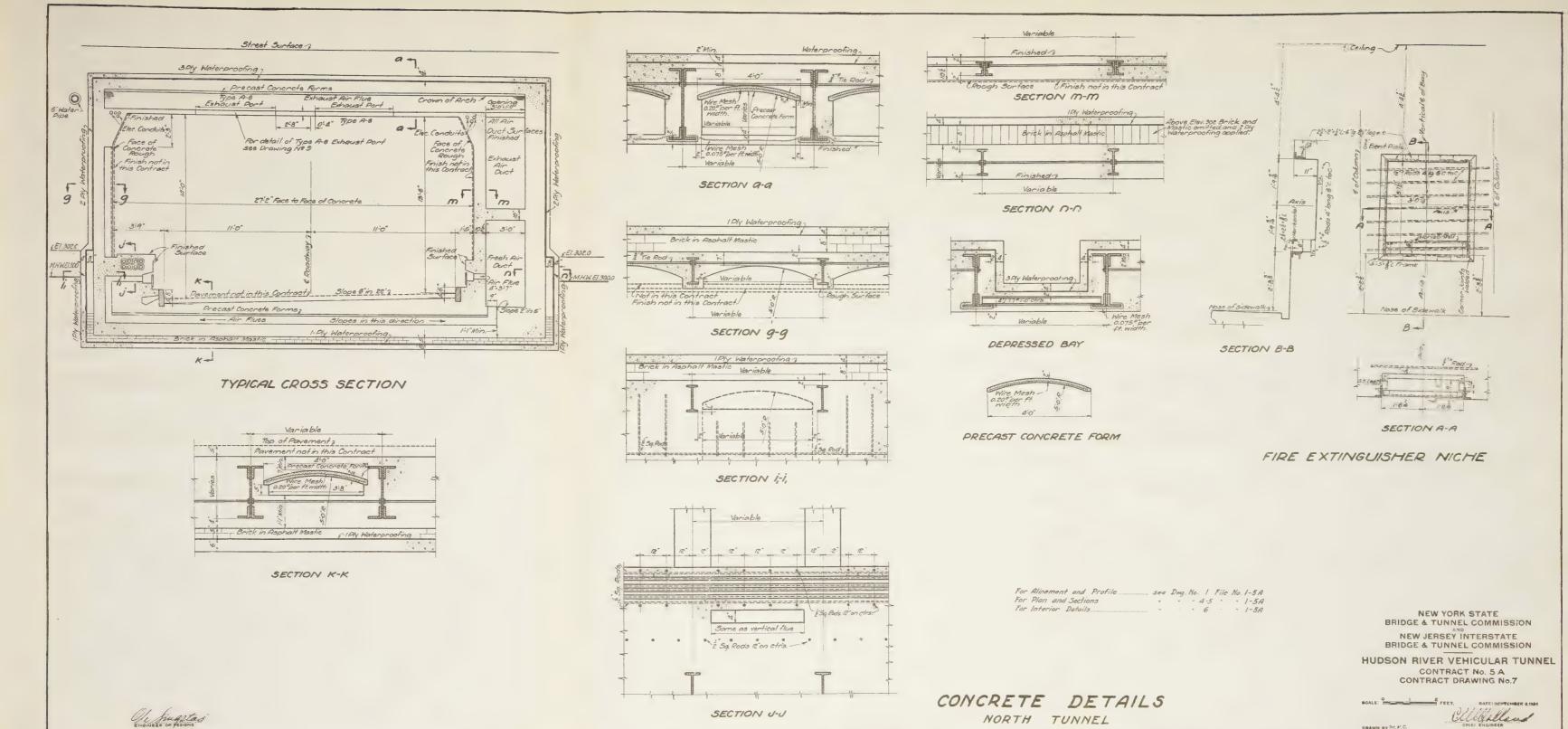
SCALE:

CHIEF ENGINEER

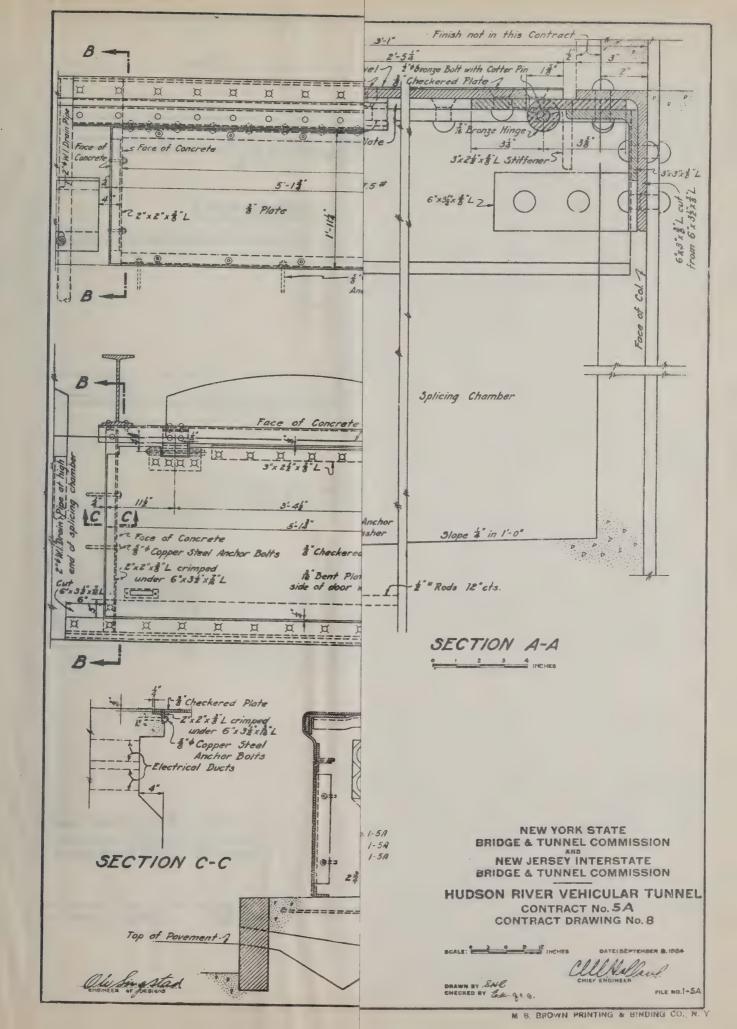
PILE NO. 1-5A

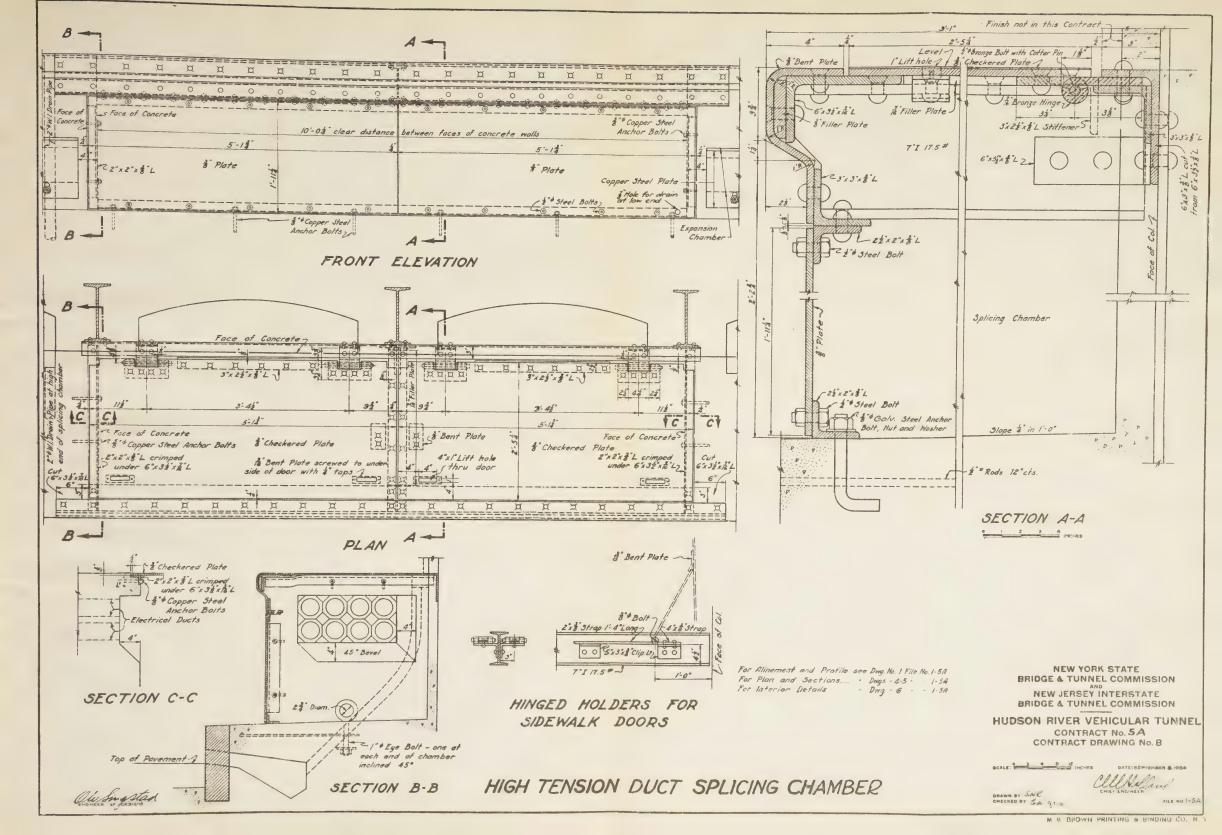
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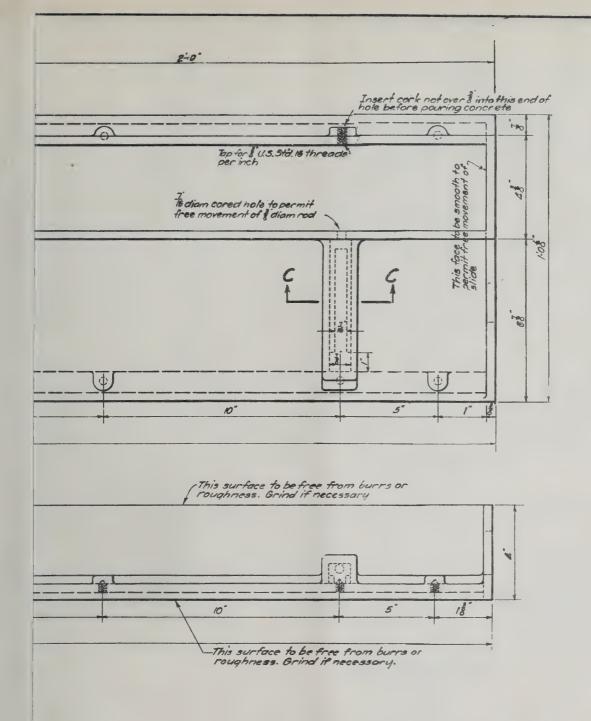
DETAILS



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e: apped holes to be spaced by template.

Ill threads to be clean and sharp and to be protected by rust proof material.

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BRIDGE & TUNNEL COMMISSION

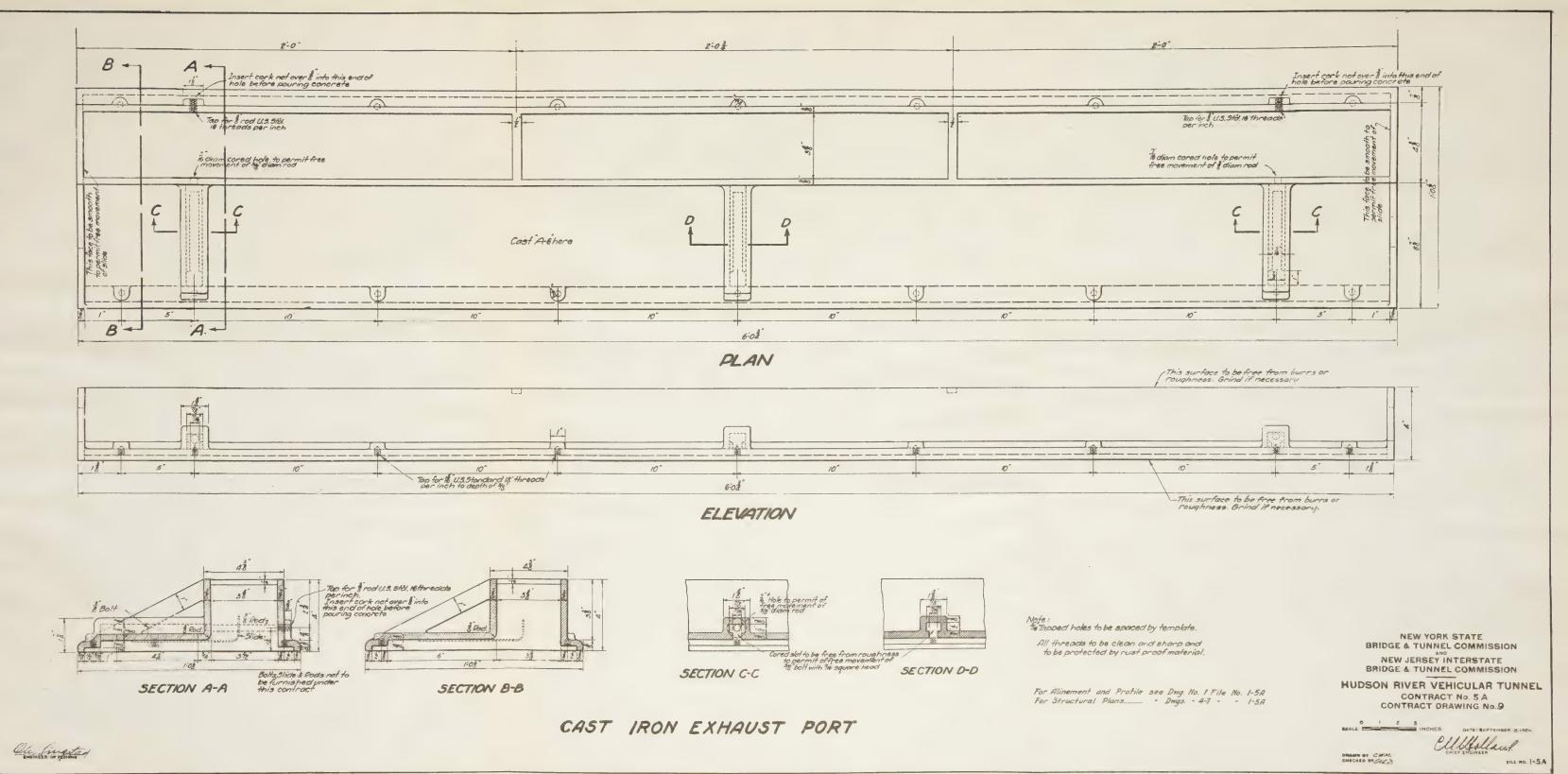
NEW JERSEY INTERSTATE
BRIDGE & TUNNEL COMMISSION

HUDSON RIVER VEHICULAR TUNNEL CONTRACT No. 5 A CONTRACT DRAWING No.9

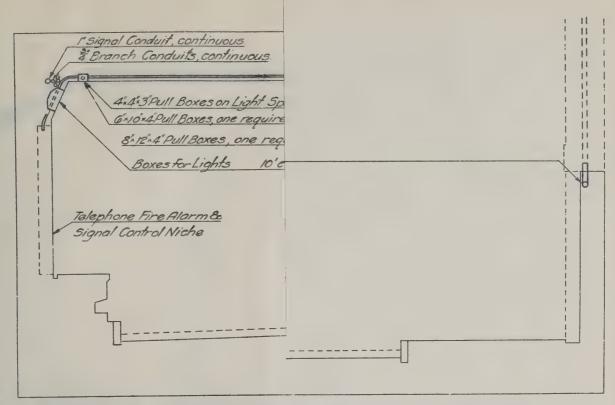
SCALE: INCHES DATE: SEPTEMBER 8,1984

CHIEF ENGINEER

SILE NO. (-5A

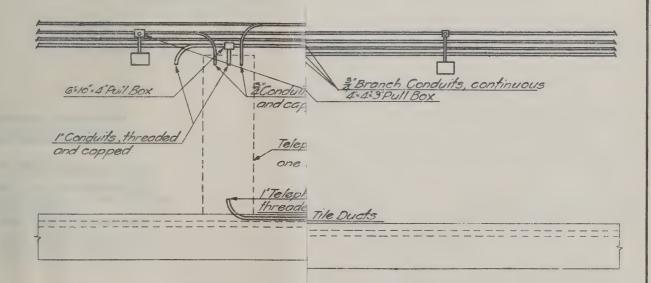


M. B. BROWN PRINTING & BINDING CO., N. Y.



# CROSS SECTION SIDE OF PORTAL

SCALE: 0



NEW YORK STATE
BRIDGE & TUNNEL COMMISSION
NEW JERSEY INTERSTATE
BRIDGE & TUNNEL COMMISSION

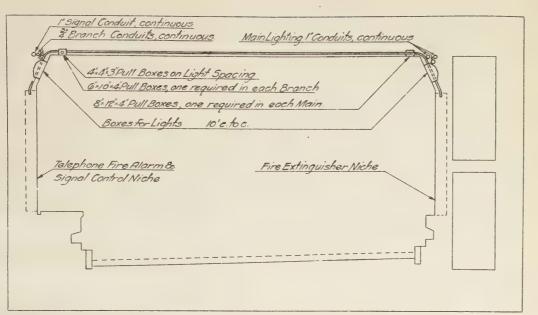
HUDSON RIVER VEHICULAR TUNNEL
CONTRACT No. 5A
CONTRACT DRAWING No. 10

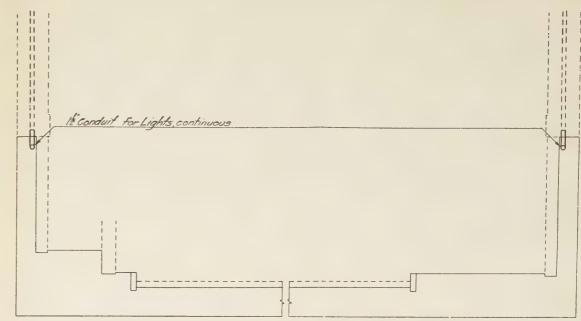
SCALE: AS SHOWN.

DATE: SEPTEMBER & 192

CHECKED BY 4.5. 9.4. D.

FILE NO. 1-5A





CROSS SECTION INSIDE OF PORTAL

SCALE: 2 3 FEET

CROSS SECTION OUTSIDE OF PORTAL

SCALE: 2 3 FEET

GENO's 4" Puil Box

A Conduits threaded and capped

Telephone, Fire Alarm & Signal Control Niche one in this Contract.

I'Telephone Conduit' threaded and capped

HT. Splicing Chamber

Boxes for Lights

To Box for Light on far
Side of Tunnel

I" Signal Conduit continuous

Fire Extinguisher Niche
one in this Contract

Conduit threaded and copped.

Sidewall?

ELEVATION SIDEWALK SIDE OF TUNNEL INSIDE OF PORTAL

SCALE: Not to scale
Diagramatic

For Alinement and Profile, see Drug. No. 1 File No.1-5A For Detail of Light Boxes, " " " 12 " " 1-5A For Detail of Pull Boxes, " " " 12 " " 1-5A

NEW YORK STATE
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BRIDGE & TUNNEL COMMISSION

3 Branch Conduits, continuous

HUDSON RIVER VEHICULAR TUNNEL CONTRACT No. 5A CONTRACT DRAWING No. 10

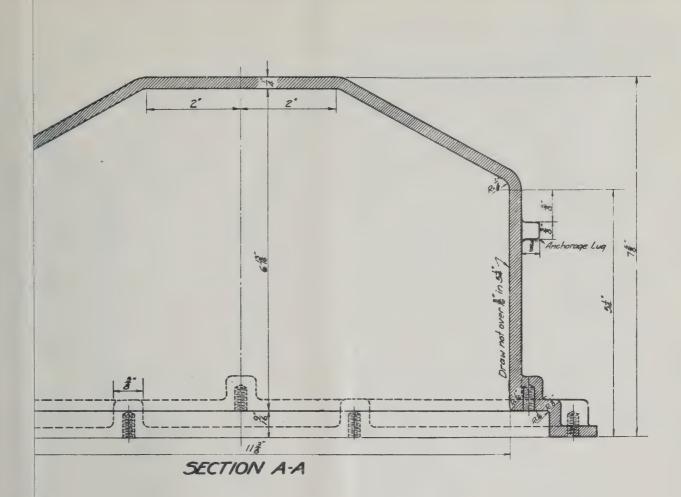
BCALE: AS SHOWN

DRAWN BY TE. G. N. D.

DATE: SEPTEMBER & 1024

ELECTRICAL CONDUIT SYSTEM

Ole ingited



ralvanized inside and out. To be clean and sharp, free and protected by rust proof

narked "3" to be free of burrs and to be ground if necessary.

I holes to be drilled to template a Commissions to insure perfect Frame and Cover.

shown thus 5½" must be exact.

In thus are ‡" holes for attaching are to be located approximately.

and Profile sée Dwg. No. | File No. 1-5A
Plans "Dwgs "4-7 " 1-5A
Onduit System "Dwg. "10 " 1-5A

NEW YORK STATE
BRIDGE & TUNNEL COMMISSION
NEW JERSEY INTERSTATE
BRIDGE & TUNNEL COMMISSION

HUDSON RIVER VEHICULAR TUNNEL
CONTRACT No. 5A
CONTRACT DRAWING No. II

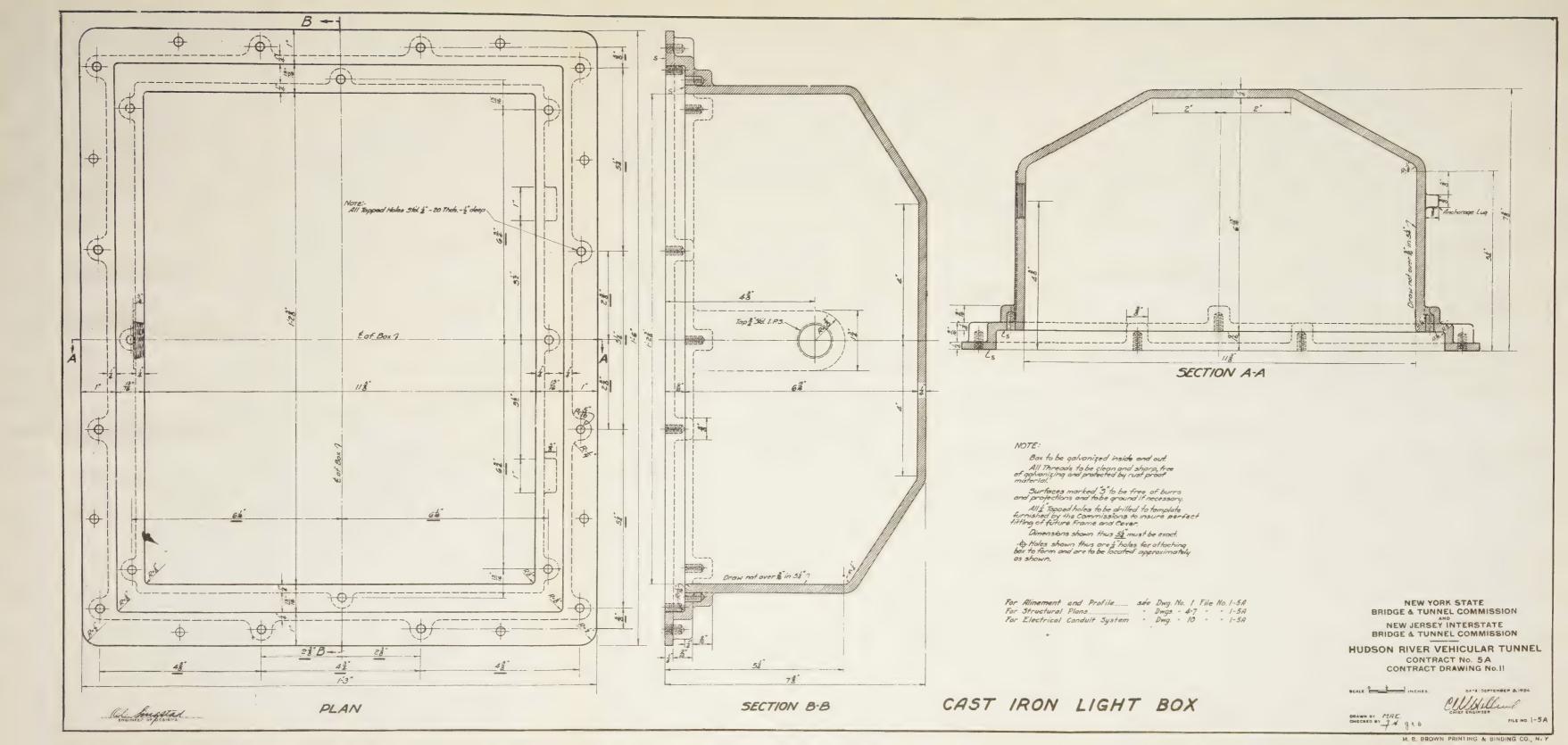
SCALE: INCHES.

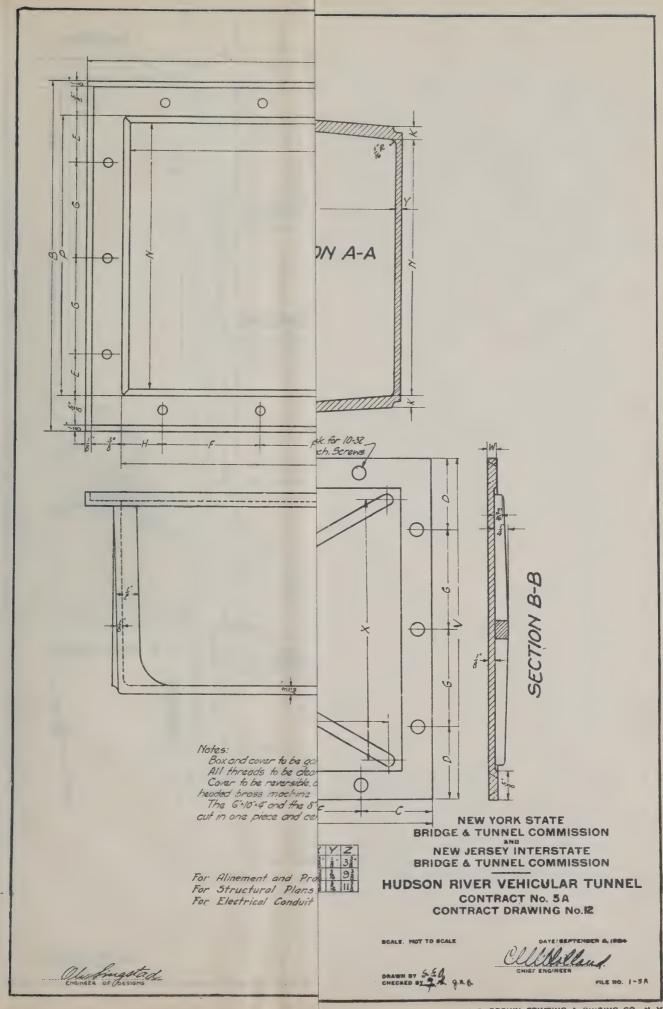
DATE: SEPTEMBER & 1924

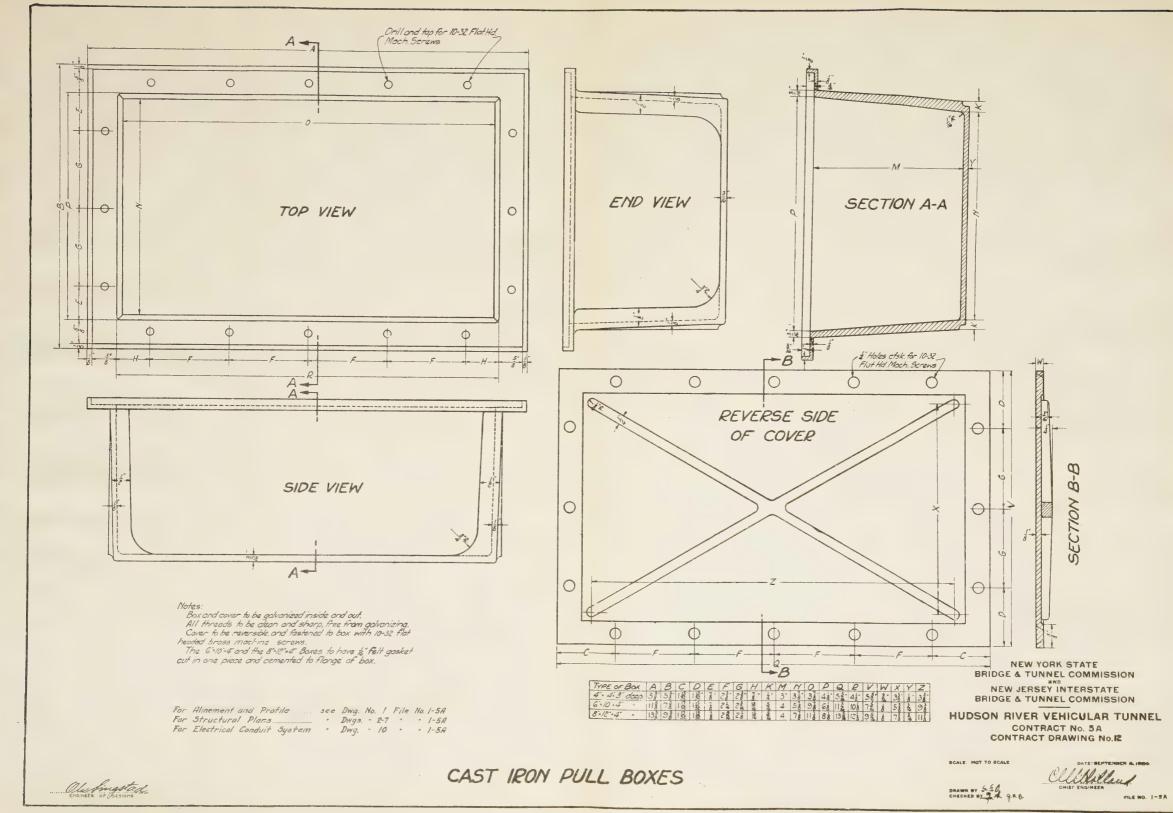
LIGHT BOX

DRAWN BY MAE.

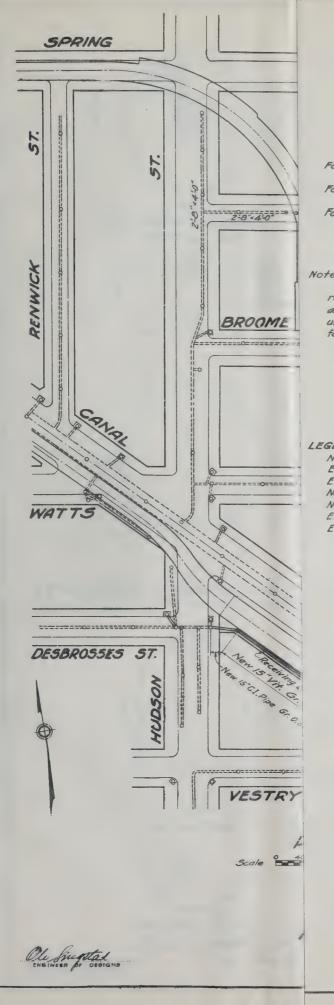
FILE NO. 1-5A







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For alinement and profile see Drawing No. 1, File No. 1-5A For details of Inlets, Basins, Manholes and Sewers see Drawing No.15 File No. 1-5A For details of Cast Iron for Inlets, Basins and Manholes see Drawing No. 14 File No. 1-5A

Note:-

All existing sewers which are to be retained shall be rebuilt if disturbed, and no payment will be made for same unless otherwise specifically provided for in the contract.

LEGEND :-

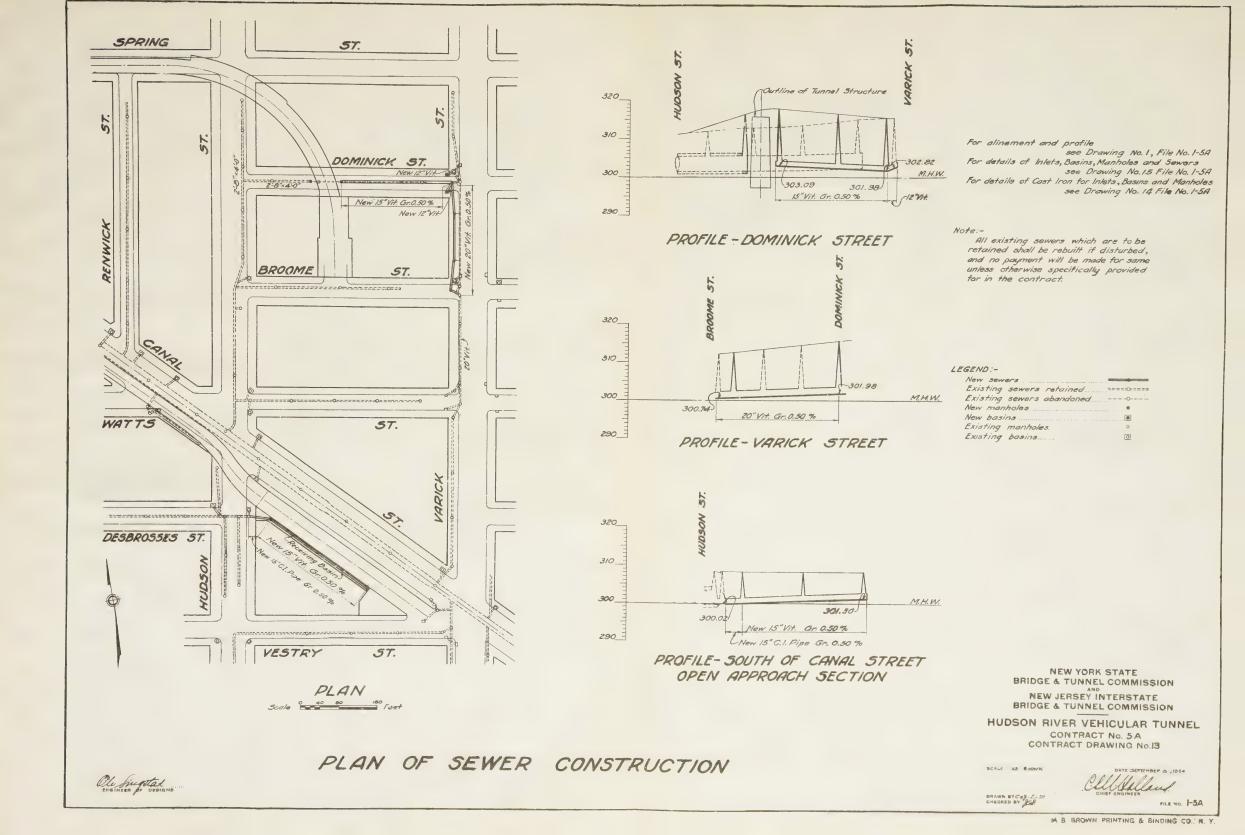
New Jewers	
Existing sewers retained	
Existing sewers abandoned	
New manholes	
New basins	•
Existing manholes	
Existing basins	0

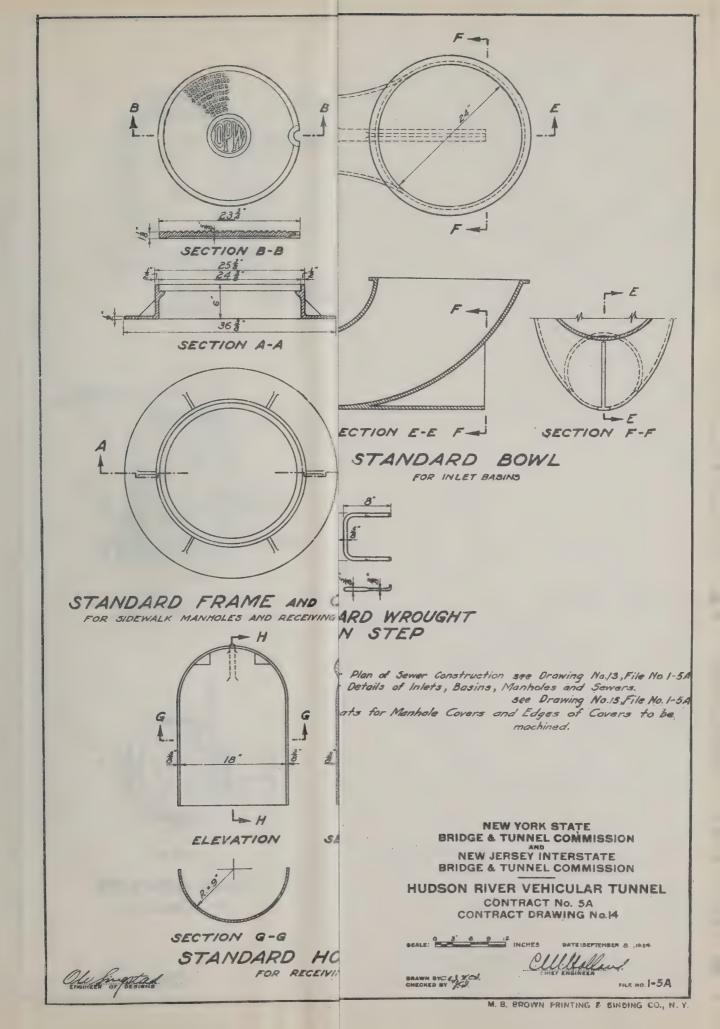
**NEW YORK STATE** BRIDGE & TUNNEL COMMISSION NEW JERSEY INTERSTATE BRIDGE & TUNNEL COMMISSION

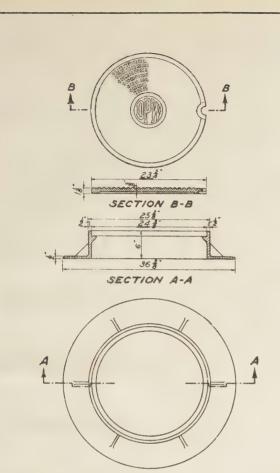
HUDSON RIVER VEHICULAR TUNNEL CONTRACT No. 5A CONTRACT DRAWING No.13

SCALE: AS SHOWN

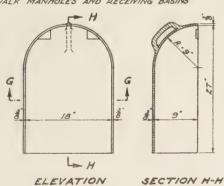
FILE 40. 1-5A







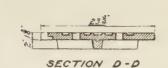


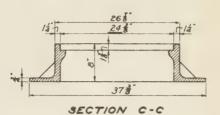


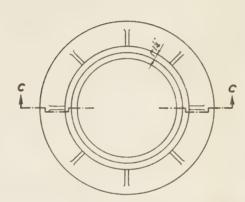


SECTION G-G

STANDARD HOOD AND PLATE FOR RECEIVING BASINS

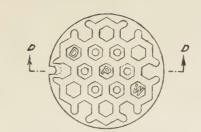




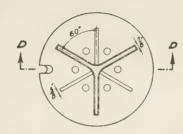


SECTION J-J

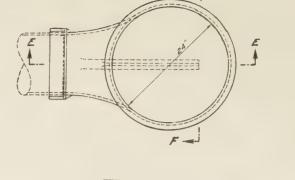
PLAN

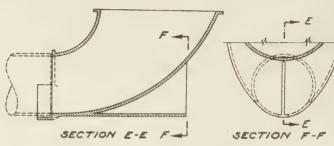


PLAN OF COVER



INVERTED PLAN OF COVER





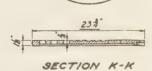
STANDARD BOWL FOR INLET BASINS

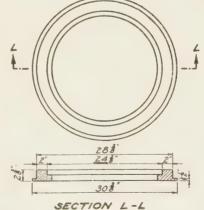


STANDARD WROUGHT IRON STEP









SPECIAL FRAME AND COVER FOR RECEIVING BASINS

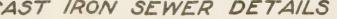
CAST IRON SEWER DETAILS

For Plan of Sewer Construction see Drawing No.13, File No.1-5A For Details of Inlets, Basins, Manholes and Sewers. see Drawing No.15 File No. 1-54 Seats for Manhole Covers and Edges of Covers to be machined.

> NEW YORK STATE BRIDGE & TUNNEL COMMISSION NEW JERSEY INTERSTATE BRIDGE & TUNNEL COMMISSION

HUDSON RIVER VEHICULAR TUNNEL CONTRACT No. 5A CONTRACT DRAWING No.14

BCALE: DATE:SEPTEMBER & , 1914



Reinforcing Steel 1 used where regul by the Engineer. 4-0"

ostruction.

see Drawing No. 13 , File No. 1-5A or Inlets, Basins, and Manholes

see Drawing No. 14 File No. 1-5A

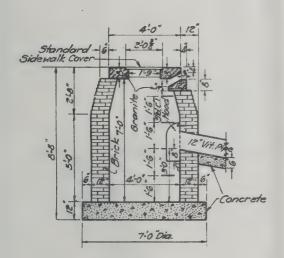
Hire Mesh of basins, and Exterior surfaces of Manhole walls to be plastered with cement mortar & thick.



Longitudinal Rods-

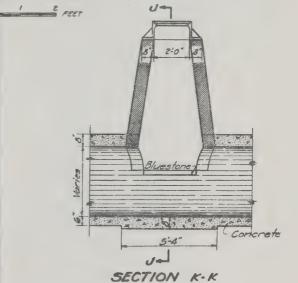
-Transverse Rods \$"= 12"Cts, 2-5"long Reinforcing Steel to be used where required by the Engineer.

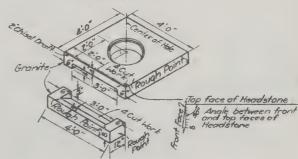
EAR SEWERS

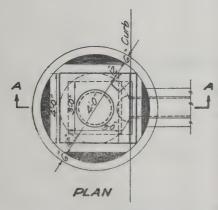


TYPICAL

SECTION A-A







RECEIVING BASIN SCALE: 2 3 PEET

Ole Social The of

DETAIL OF CUTTING OF MEAD & GUTTER STONES SCALE: FEET

NEW YORK STATE BRIDGE & TUNNEL COMMISSION

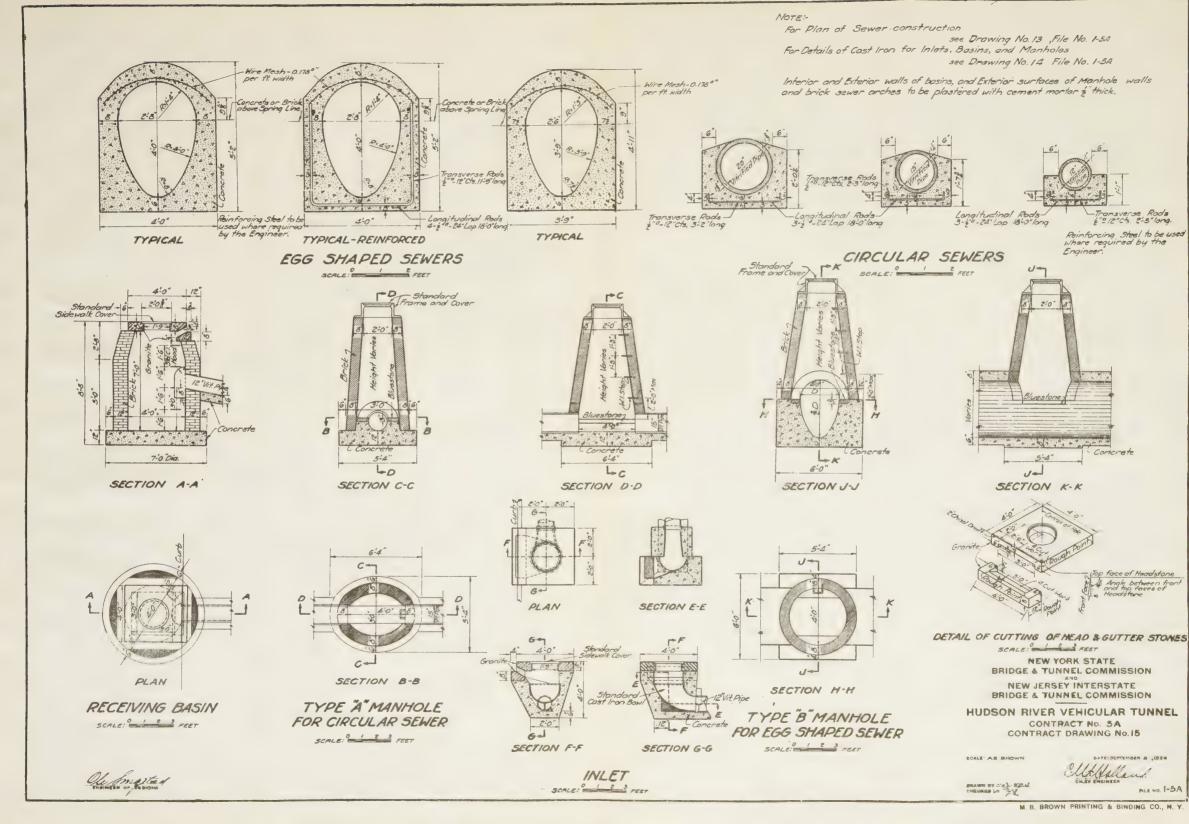
NEW JERSEY INTERSTATE BRIDGE & TUNNEL COMMISSION

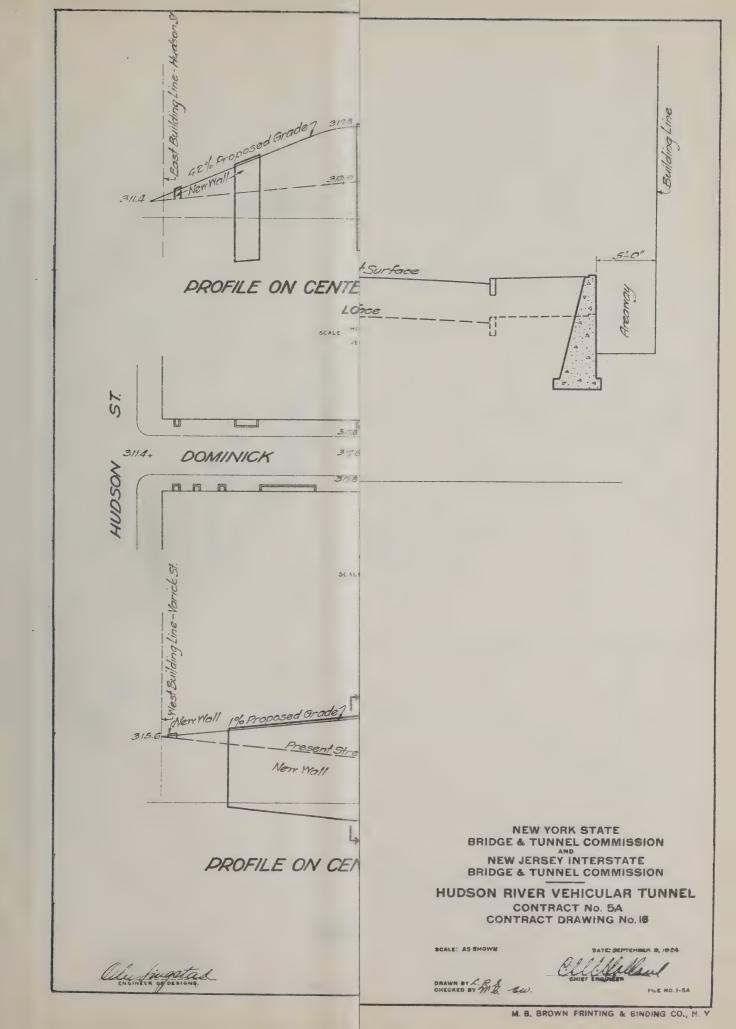
HUDSON RIVER VEHICULAR TUNNEL CONTRACT No. 5A CONTRACT DRAWING No.15

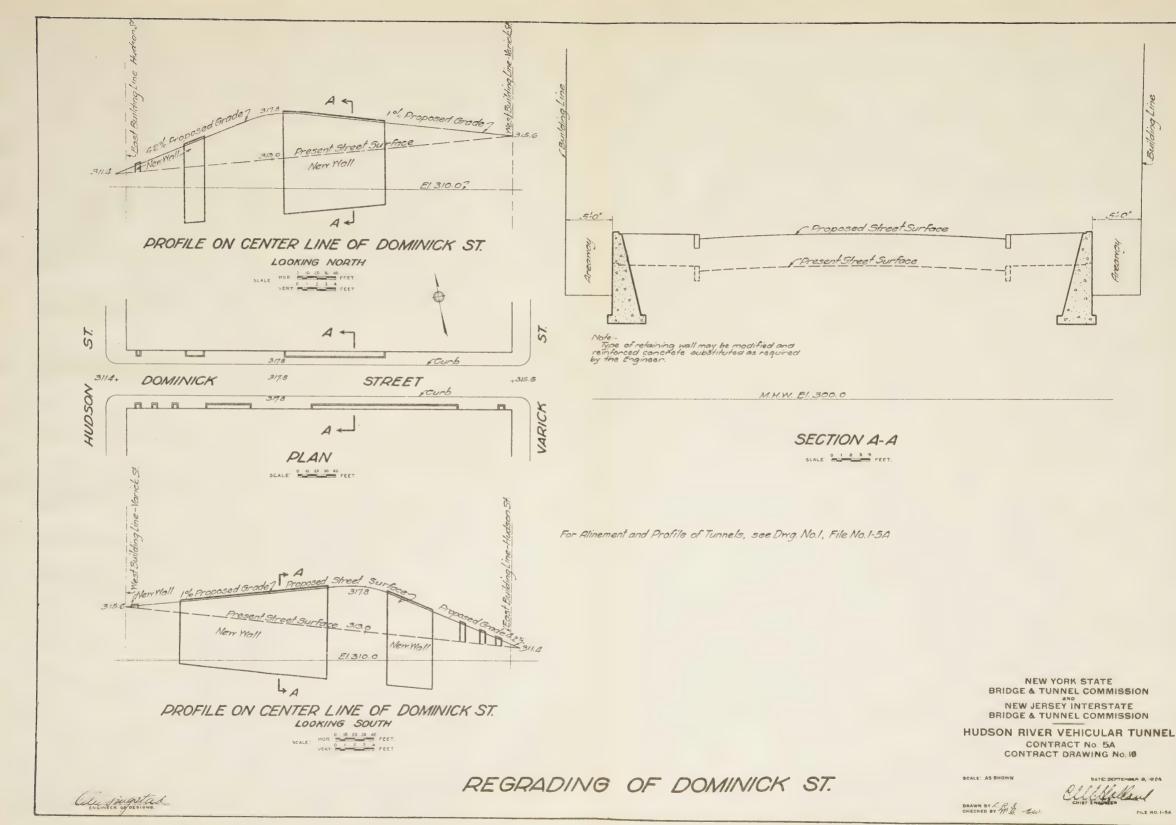
SCALE: AS SHOWN

MLE NO. 1-5A

DRAWN BY CO. NO.







HUDSON

221

LEGEND:

A

Denotes area available for Contractor's use.







Denote areas available for Contractor's use and location of tunnel Structures.

57.

/ESTRY



221 Denotes Block Numbers
12 " Lot "
500 " Street "

Buildings on areas available for Contractor's use, and on areas available for Contractor's use and location of tunnel structures are to be razed by the Contractor.

For Alinement and Profile see Drawing No.1, File No. 1-5A.

CANAL

NEW YORK STATE
BRIDGE & TUNNEL COMMISSION
NEW JERSEY INTERSTATE

NEW JERSEY INTERSTATE
BRIDGE & TUNNEL COMMISSION

HUDSON RIVER VEHICULAR TUNNEL
CONTRACT No. 5A
CONTRACT DRAWING No.17

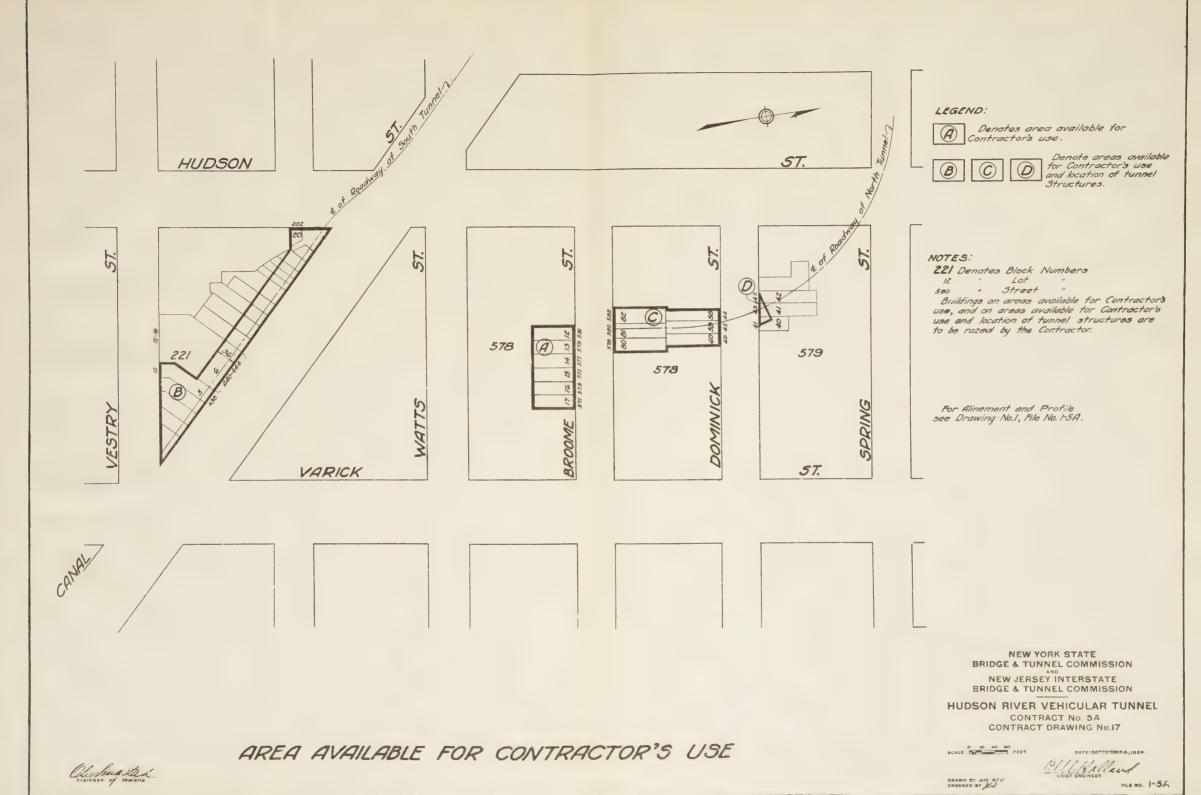
ARL

SCALE: FEET

DATE: SEPTEMBER 6,1924

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